

3 JUN 1932
Rpt. 11b.

16281 9291

Lloyd's Register of British & Foreign Shipping.

MON. 13 AUG 1906

SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES,
HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES,
OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Port of Survey Hamburg
Date of Survey 10th August 1906
Name of Surveyor J. Macdonald

Delete words which do not apply.

Ship's Name. <u>Lichtenfels</u>	Gross Tonnage. <u>5609</u>	Official Number.	Type of Ship. <u>Spar deck</u>	Date of Build. <u>1903-3</u>	Particulars of Classification. <u>100 A1 spar deck</u>
Number in Register Book <u>410</u>					

Registered Length as shown by ship's register: } 425 Breadth 53 Depth 29.45
 Length on Loadline 425 ✓
 Breadth 53 ✓

Moulded Depth as measured..... 32'-2" ✓
NOTE. - If the depth is measured when vessel is afloat, the details of measurement should be reported.

Depth..... 29.45 ✓
 Correction for excess or deficiency of Gradual Sheer (Para. 3)33 ✓
 Depth to be used..... 29.48 ✓

Tons and Dk. 5353
Peaks 34
 x 100 5390 ✓

CORRECTION FOR LENGTH.
 Length of Ship on Loadline..... 425 ✓
 Length in Table 386 ✓
 Difference 39 ✓

Correction for 10ft., Table A. 1.6 - Table C. 1.8 -
 x Difference divided by 10 6.24 - (if required.) 3.12 -
 If $\frac{1}{10}$ ths length covered divide by 2 for vessels coming under Para. 11 and Para. 12 } +6.4 - +3 ✓

Co-efficient of fineness80 ✓ 803
 Any modification necessary } Cell D. B.
 [Para. 4 (a) to (e)*]
 Co-efficient as corrected48 ✓

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{1}{10}$ ths length covered
 Thickness of usual wood deck, less stringer.....
Steel deck part tank sheath.

Sheer { Stem... 96 ✓ } 129 ÷ 2 = 64.5... Mean
 at { Sternpost... 33 ✓ }
 Sheer at $\frac{1}{2}$ of the length from { Stem 52.75 ✓ } 71.00 ÷ 2 = 35.5... Mean
 { Sternpost 18.25 ✓ }
 Gradual Sheer 64.54 ✓
 Standard Sheer (Table, Para. 18)..... 52.5 ✓ Correction
 Difference..... 12.0 ÷ 4 = -3 ✓

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships.....
 Round of Beam..... 15" 13 ✓
 Normal round 13 ✓
 Difference ÷ 2 = ✓
 Proportion of Deck uncovered (Para. 19) ✓

Rise in Sheer { At front of bridge house.....
 from amidships }
 [Para. 18 (e)] { At after end of forecastle

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 5' 3 3/4 ✓
 Correction for Length, if required (Para. 12 and 13) + 3 ✓
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) } 8' 9 1/2 ✓
 Difference 3' 2 3/4 ✓
 Percentage as below..... 34.72 ✓

Freeboard, Table A 8' 6 3/4 ✓
 Correction for Sheer - 3 ✓
 Correction for Length + 6 3/4 ✓
 Allowance for Deck Erections - 1' 1 1/2 ✓
 Correction for Round of Beam..... ✓
 Correction for Iron Deck (if required) - 4' 4 1/2 ✓
 Additions for non-compliance with provisions of }
 Para. 11 (d) and (e) † }
 Other corrections (if any)..... ✓

Correction for engine and boiler openings not being covered }
 by bridge house, in cases coming under Para. 11 }

	Length.	Length allowed.	Height.
Forecastle.....	<u>50.0</u>	<u>50.0</u>	<u>x y - 3</u>
Bridge House	<u>119.0</u>	<u>119.0</u>	<u>x y - 3</u>
† Raised Qr. Dk.....			
Poop.....	<u>58.0</u>	<u>58.0</u>	<u>x y - 3</u>
Total		<u>227.0</u>	
Length of Ship		<u>425.0</u>	<u>= 53.4</u> ✓

Winter Freeboard 4' 4 1/2 ✓
 Summer Freeboard 6' 11 ✓
 N. A. Winter Freeboard

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side. } + 2 ✓

Winter Freeboard from deck line § 4' 6 1/2 ✓
 Summer " " " " 4' 1 ✓
 N. A. Winter, " " " "

Corresponding percentage } 34.72% ✓
 (Para. 11, 12, or 18.)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Fresh Water Line	above centre of Disc
Indian Summer Line	" " "
Winter Line	below " "
Winter North Atlantic Line	" " "

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DELETE WORDS WHICH DO NOT APPLY.

The Crew ~~are not~~ berthed in the bridge house.
 The arrangements to enable them to get backwards and forwards from their quarters are ~~not~~ satisfactory.

Length of Bulwarks in well aft 98'-0" forward 99'-9" Sq. Ft.
 Area of freeing ports required by Para. 11 (e) each side of vessel
 Freeing Ports (each side of vessel)

Ft.	Tenths.	Ft.	Tenths.	No.	Sq. Ft.
x		x		} <u>open gangways</u>	
x		x			

Total deficiency = _____ Sq. Ft.
 Total excess = _____ "

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop? yes
 Do. do. do. in the Raised Quarter Deck? yes
 Do. do. do. Bridge House? yes
 Do. do. do. Forecastle? yes

To what height do the Reverse Frames extend? _____

Has the Poop ~~or Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? yes

Give particulars of the means for closing the openings in Bulkhead weather boards fitted in channels full

Is the Poop ~~or raised Quarter Deck~~ connected with the Bridge House? no

State whether the Bridge House efficiently covers the Engine and Boiler Openings yes

Has the Bridge House an efficient Iron Bulkhead at the fore end? yes

Give particulars of the means for closing the openings in Bulkhead W.T. hinged iron doors

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb Plates, etc. Bulb angles 7" deep, led bars 6" flce bars 5" deep, average space 30" also 4 w 24" d

Has the Bridge House an efficient Iron Bulkhead at the after end? yes

How are the openings closed? weather boards fitted in channels full height

Is the forecastle at least as high as the main or top-gallant rail? yes

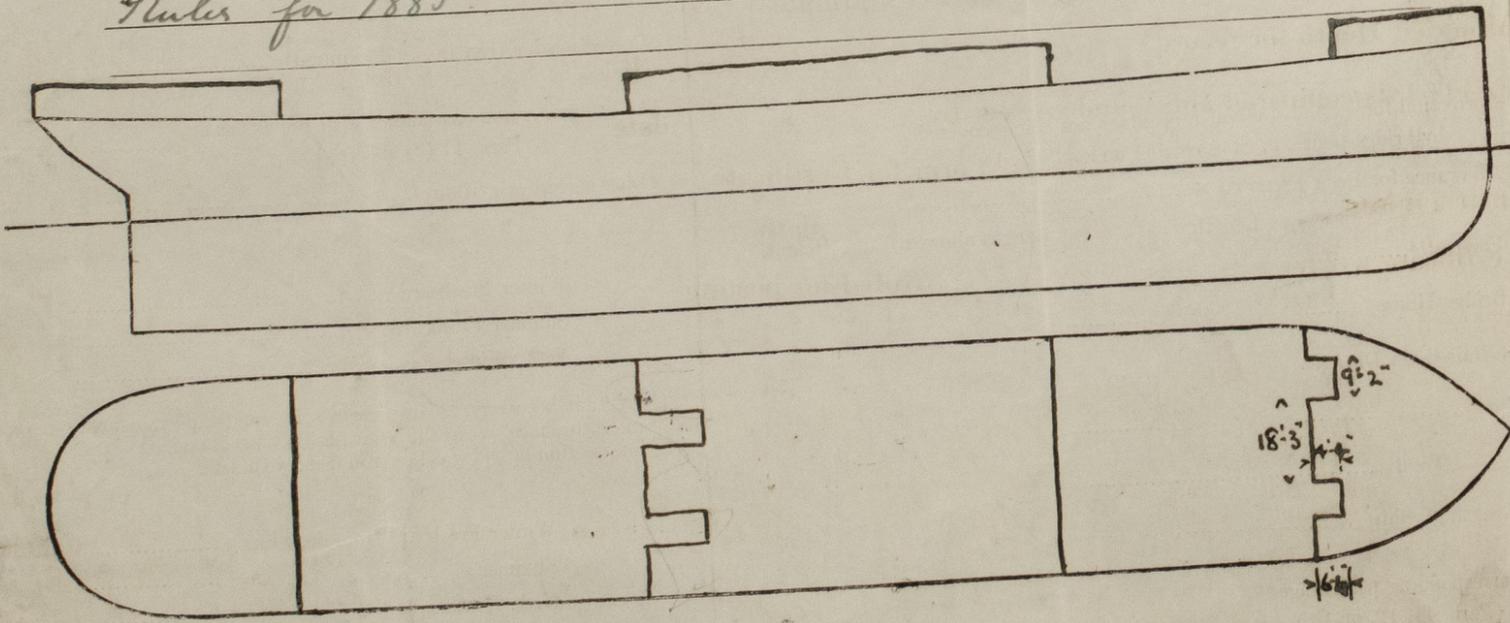
Has the Forecastle an efficient Iron ~~or Wood~~ Bulkhead at its after end? yes

Are the Hatchways efficiently constructed? yes What is the thickness of the Hatches? 3"

State the height of the Coamings in fore well? 33" In after well 33"

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? yes

State any special features in the construction of the Vessel Classed 100-A.1. Spar deck under present Rules, but scantlings & construction are equivalent to 3rd Rules for 1885



Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners Deutsche Dampffahrts-Gesellschaft
 Address Bremen

Fee £ 6 6 - Received by me 11/8 00